



20150116ML

# Anti-Human CXCL1 (#9A18)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M347</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant CXCL1 (also called GROa).

## Target Background

<b>Synonyms (Target):</b>	CXCL1; FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
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Cotton rat growth-regulated protein (GRO) is a member of the ELR+ CXC subfamily of chemokines. The cotton rat GRO cDNA encodes a 100 amino acid (aa) precursor protein with a 27 aa putative signal peptide and a 73 aa mature protein. The predicted amino acid sequence of the mouse KC gene product indicates KC is a member of the CXC subfamily of chemokines. The protein sequence of mouse KC shows approximately 63% identity to that of mouse MIP-2. In addition, the protein sequence of KC is approximately 60% identical to the human GROs. It has been suggested that mouse KC and MIP-2 are the homologs of the human GROs and rat CINC<sub>s</sub>. KC mRNA is expressed in macrophages, endothelial cells, and fibroblasts.

## Database References Target

<b>Protein RefSeq:</b>	NP_001502.1
<b>Uniprot ID:</b>	P09341
<b>mRNA RefSeq:</b>	NM_001511.2

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#9A18)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	human recombinant CXCL1
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human CXCL1. It weakly reacts with CXCL2.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, N

**Recommended usage:**

WB 1:500 - 1:1000

Neutralization of CXCL1 bioactivity

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



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## Application/Handling

